

Form PTO-1449	Docket No. GZ 2096.00	Appl. No. 09/955,656
INFORMATION DISCLOSURE STATEMENT		Applicant(s) Charles A. Nicolette, et al.
Filing Date: September 18, 2001		Group Art Unit 2845

(use several sheets if necessary)

U.S. PATENT DOCUMENTS

Examiner Initials	Ref. No.	Date	Document No.	Name	Class	Subclass	Filing Date (if appropriate)
AC	1	12/23/86	4,631,211	Houghten			
	2	07/28/87	4,683,195	Mullis et al.			
	3	07/28/87	4,683,202	Mullis			
	4	06/28/88	4,754,065	Levenson et al.			
	5	01/24/89	4,800,159	Mullis et al.			
	6	04/23/91	5,010,175	Rutler et al.			
	7	04/23/96	5,510,240	Lam et al.			
	8	12/09/97	5,695,937	Kinzler et al.			
	9	05/05/98	5,747,299	Bloom et al.			

FOREIGN PATENT DOCUMENTS

Examiner Initials	Ref. No.	Date	Document No.	Name	Class	Subclass	Translation YES	NO
	10	01/05/95	WO 95/00655	Graham et al.				
	11	05/04/95	WO 95/11984	Gregory et al.				
	12	06/22/95	WO 95/16775	Guo et al.				
	13	10/12/95	WO 95/27071	Zhang et al.				
	14	08/01/96	WO 96/23060	Cohen et al.				
	15	12/11/97	WO 97/46256	Webb et al.				
	16	10/22/98	WO 98/46785	Gong et al.				
	17	04/13/00	WO 00/20460	Sahin et al.				

OTHER DOCUMENTS

(including author, title, date, pertinent pages, etc.)

Examiner Initials	Ref. No.	Title
	18	Abrahamsen, T.G., et al. "Stimulatory Effect of Counterflow Centrifugal Elutriation in Large-Scale Separation of Peripheral Blood Monocytes Can Be Reversed by Storing the Cells at 37°C" <i>J. Clin. Apheresis</i> 6:48-53 (1991).
	19	Adams, M.D., et al. "Complementary DNA Sequencing: Expressed Sequence Tags and Human Genome Project" <i>Science</i> 252:1651-1656 (June 1991).
	20	Alwine, J.C., et al. "Method for Detection of Specific RNA's in Agarose Gels by Transfer to Diazobenzoyloxymethyl-paper and Hybridization with DNA Probes" <i>PNAS</i> 74(12):5350-5354 (December 1977).
AC	21	Boczkowski, D., et al. "Dendritic Cells Pulsed with RNA are Potent Antigen-presenting Cells In Vitro and In Vivo" <i>J. Exp. Med.</i> 184:465-472 (August 1996).
	22	Chaney, L.K., et al. "Coating Cells with Colloidal Silica for High Yield Isolation of Plasma Membrane

EXAMINER: Arum K. Chakrabarti DATE CONSIDERED: 09/08/03

EXAMINER: Initial if citation considered, whether or not the citation conforms with MPEP 609. Draw a line through the citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.

PTO/SB/08 (2/92)
Sheet 2 of 4

Form PTO-1449

Docket No. GZ 2096.00

App. No. 08/406,656

INFORMATION DISCLOSURE
STATEMENT

Applicant(s)

Charles A. Nicoletti, et al. C. & G. 6

Filing Date: September 16, 2001

Group 1 Office 1845

(use several sheets if necessary)

AC	23	Sheets and Identification of Transmembrane Proteins" <i>J. Biol. Chem.</i> 258(16):10688-10072 (August 25, 1983).
	23	Coulie, P.G. "Human Tumour Antigens Recognized by T Cells: New Respectives for Anti-Cancer Vaccines" <i>Mol. Med. Today</i> 3:261-268 (June 1997).
	24	Cwiria, S.E., et al. "Peptides on Phage: A Vast Library of Peptides for Identifying Ligands" <i>PNAS</i> 87:6378-6382 (August 1990).
	25	Del Giudice, G. "Hsp70: A Carrier Molecule with Built-In Adjuvanticity" <i>Experientia</i> 50:1061-1066 (1994).
	26	Devlin, J.J., et al. "Random Peptide Libraries: A Source of Specific Protein Binding Molecules" <i>Science</i> 249:404-406 (July 1990).
	27	Fagerberg, J., et al. "Human Anti-Idiotypic Antibodies Induced a Humoral and Cellular Immune Response Against a Colorectal Carcinoma-associated Antigen in Patients" <i>PNAS</i> 92:4773-4777 (May 1995).
	28	Ferguson, M.A.J., et al. "Cell-Surface Anchoring of Proteins Via Glycosyl-Phosphatidylinositol Structures" <i>Ann. Rev. Biochem.</i> 57:285-320 (1988).
	29	Fodor, S.P.A., et al. "Light-Directed, Spatially Addressable Parallel Chemical Synthesis" <i>Science</i> 251:767-773 (February 15, 1991).
	30	Fradet, Y., et al. "Cell Surface Antigens of Human Bladder Cancer Defined by Mouse Monoclonal Antibodies" <i>PNAS</i> 81:224-228 (January 1984).
	31	Freudenthal, P.S., et al. "The Distinct Surface of Human Blood Dendritic Cells, As Observed After an Improved Isolation Method" <i>Proc. Natl. Acad. Sci.</i> 87:7698-7702 (October 1990).
	32	Furka, A., "General Method for Rapid Synthesis of Multicomponent Peptide Mixtures" <i>Int. J. Peptide Protein Res.</i> 37:487-493 (1991).
	33	Furka, A., et al. "Proteins and Nucleic Acids in Three Dimensions" 14 th Int. Congress of Biochem. 5:47 Abstract FR:013 (1988).
	34	Geysen, H.M., et al. "Strategies for Epitope Analysis Using Peptide Synthesis" <i>J. Immunol. Meth.</i> 102:259-274 (1987).
	35	Geysen, M.H., et al. "A Priori Delineation of a Peptide Which Mimics a Discontinuous Antigenic Determinant" <i>Mol. Immunol.</i> 23(7):709-715 (1986).
	36	Hedrick, S.M., et al. "Isolation of cDNA Clones Encoding T Cell-Specific Membrane-Associated Proteins" <i>Nature</i> 308:149-153 (March 1984).
	37	Herlyn, D., et al. "Anti-Idiotypic Antibodies Bear the Internal Image of a Human Tumor Antigen" <i>Science</i> 232:100-102 (April 1986).
	38	Hermans, P.L., et al. "Use of Adeno-associated Virus as a Mammalian DNA Cloning Vector: Transduction of Neomycin Resistance into Mammalian Tissue Culture Cells" <i>PNAS</i> 81:6466-6470 (October 1984).
	39	Hirose, S., et al. "Mammalian Glycosylphosphatidylinositol-Anchored Proteins and Intracellular Precursors" <i>Methods in Enzymol.</i> 250:582-614 (1995).
	40	Huang, J.H., et al. "Protein Transfer of Preformed MHC-Peptide Complexes Sensitizes Target Cells to T Cell Cytotoxicity" <i>Immunity</i> 1:607-613 (October 1994).
	41	Klienerman, P., et al. "The Effects of Natural Altered Peptide Ligands on the Whole Blood Cytotoxic T Lymphocyte Response to Human Immunodeficiency Virus" <i>Eur. J. Immunol.</i> 25:1927-1931 (1995).
	42	Lebkowski, J.S., et al. "Adeno-Associated Virus: a Vector System for Efficient Introduction and Integration of DNA into a Variety of Mammalian Cell Types" <i>Mol. Cell. Biol.</i> 8(10):3988-3996 (October 1988).
AC	43	Liang, P., et al. "Differential Display of Eukaryotic Messenger RNA by Means of the Polymerase Chain Reaction" <i>Science</i> 257:967-971 (August 14, 1992).

EXAMINER:

Arum K. Chakrabarti

DATE CONSIDERED:

9/8/03

EXAMINER: Initial if citation considered, whether or not the citation conforms with MPEP 609. Draw a line through the citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.

PTO/SB-1 (2/92)
SI 100-100-4RECEIVED
MAR 6 2002
TRC CENTER 3600285

Form PTO-1449

Docket No. GZ 2096.00

Appl. No. 09/956,556

INFORMATION DISCLOSURE
STATEMENT

Applicant(s)

Charles A. Nicolette, et al.

Filing Date: September 18, 2001

Group Art Unit: 1645

(use several sheets if necessary)

AC

- 44 Lisitsyn, N., et al. "Representational Difference Analysis in Detection of Genetic Lesions in Cancer" *Methods in Enzymol.* 254:291-304 (1995).
- 45 Llorente, L., et al. "Role of Interleukin 10 in the B Lymphocyte Hyperactivity and Autoantibody Production of Human Systemic Lupus Erythematosus" *J. Exp. Med.* 181:839-844 (March 1995).
- 46 Maa, J., et al. "Structural and Functional Characterization of a Cell Surface Binding Protein of Vaccinia Virus" *J. Biol. Chem.* 265(3):1569-1577 (January 25, 1990).
- 47 Medof, M.E., et al. "Cell-Surface Engineering with GPI-Anchored Proteins" *FASEB J.* 10:574-586 (April 1986).
- 48 Medof, M.E., et al. "Inhibition of Complement Activation on the Surface of Cells After Incorporation of Decay-Accelerating Factor (DAF) into Their Membranes" *J. Exp. Med.* 160:1558-1578 (November 1984).
- 49 Merrifield, R.B. "New Approaches to the Chemical Synthesis of Peptides" *Recent Progress in Hormone* 23:451-482 (1967).
- 50 Mehta-Damani, A., et al. "Generation of Antigen-Specific CD8⁺ CTLs from Naive Precursors" *J. Immunol.* 153:996-1003 (1994).
- 51 Mosmann, T. "Rapid Colorimetric Assay for Cellular Growth and Survival: Application to Proliferation and Cytotoxicity Assays" *J. Immunol. Methods* 65:55-63 (1983).
- 52 Nair, S., et al. "Soluble Protein Delivered to Dendritic Cells Via pH-sensitive Liposomes Induce Primary Cytotoxic T Lymphocyte Responses In Vitro" *J. Exp. Med.* 175:609-612 (February 1992).
- 53 Needels, M.C., et al. "Generation and Screening of an Oligonucleotide-Encoded Synthetic Peptide Library" *PNAS* 90:10700-10704 (November 1993).
- 54 Niks, M., et al. "Towards an Optimized MTT Assay" *J. Immunol. Methods* 130:149-151 (1990).
- 55 Ohlmeyer, M.H.J. et al. "Complex Synthetic Chemical Libraries Indexed with Molecular Tags" *PNAS* 90:10922-10926 (December 1993).
- 56 Paglia, P., et al. "Murine Dendritic Cells Loaded In Vitro with Soluble Protein Prime Cytotoxic T Lymphocytes Against Tumor Antigen In Vivo" *J. Exp. Med.* 183:317-322 (January 1996).
- 57 Reilly, R.T., et al. "The Collaboration of Both Humoral and Cellular HER-2/neu-targeted Immune Responses Is Required for the Complete Eradication of HER-2/neu-expressing Tumors" *Cancer Research* 61:880-883 (February 1, 2001).
- 58 Roselli, M., et al. "Tumor Markers as Targets for Selective Diagnostic and Therapeutic Procedures" *Anticancer Res.* 16:2187-2192 (1996).
- 59 Rouse, R. J.D., et al. "Induction In Vitro of Primary Cytotoxic T-Lymphocyte Responses with DNA Encoding Herpes Simplex Virus Protein" *J. Virology* 68(9):5685-5689 (September 1994).
- 60 Scott, J.K., et al. "Searching for Peptide Ligands with an Epitope Library" *Science* 249:386-390 (July 27, 1990).
- 61 Scott, A. M., et al. "Construction, Production, and Characterization of Humanized Anti-Lewis Y Monoclonal Antibody 3S193 for Targeted Immunotherapy of Solid Tumors" *Cancer Research* 60:3254-3261 (June 15, 2000).
- 62 Sette, A., et al. "The Relationship Between Class I Binding Affinity and Immunogenicity of Potential Cytotoxic T Cell Epitopes" *J. Immunol.* 153:5586-5592 (1994).
- 63 Shevchenko, A., et al. "MALDI Quadrupole Time-of-Flight Mass Spectrometry: A Powerful Tool for Proteomic Research" *Anal. Chem.* 72:2132-2141 (2000).
- 64 Sinkovics, J.G., et al. "Vaccination Against Human Cancers (Review)" *Int. J. Oncol.* 16:81-96 (2000).
- 65 Spira, G., et al. "The Identification of Monoclonal Class Switch Variants by Sib Selection and an ELISA


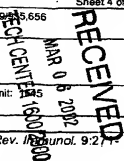
EXAMINER:

Arum Kr. Chakrabarti

DATE CONSIDERED:

9/8/03

EXAMINER: Initial if citation considered, whether or not the citation conforms with MPEP 609. Draw a line through the citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.

Form PTO-1449		Docket No. G2 2096.00	Appl. No. 09/05,656
			
INFORMATION DISCLOSURE STATEMENT		Applicant(s) Charles A. Nicolette, et al.	
(use several sheets if necessary)		Filing Date: September 18, 2001	Group Art Unit: 1245
AC	Assay" <i>J. Immunol. Methods</i> 74:307-315 (1984).		
66	Steinman, R.M. "The Dendritic Cell System and Its Role in Immunogenicity" <i>Annu. Rev. Immunol.</i> 9:271-296 (1991).		
67	Stepiewski, Z., et al. "Isolation and Characterization of Anti-Monosialoganglioside Monoclonal Antibody 19-9 Class-Switch Variants" <i>PNAS</i> 82:8653-8657 (December 1985).		
68	Thomas, R., et al. "Comparative Accessory Cell Function of Human Peripheral Blood Dendritic Cells and Monocytes" <i>J. Immunol.</i> 151(12):6840-6852 (December 15, 1993).		
69	Trail, P. A., et al. "Monoclonal Antibody Drug Conjugates in the Treatment of Cancer" <i>Current Opinion in Immunol.</i> 10:584-588 (1999).		
70	Tureci, O., et al. "Exploitation of the Antibody Repertoire of Cancer Patients for the Identification of Human Tumor Antigens" <i>Hybridoma</i> 18(1):23-28 (1999).		
71	Van der Zee, R., et al. "Efficient Mapping and Characterization of a T Cell Epitope by the Simultaneous Synthesis of Multiple Peptides" <i>Eur. J. Immunol.</i> 19:43-47 (1989).		
72	Veres, G., et al. "The Molecular Basis of the Sparse Fur Mouse Mutation" <i>Science</i> 237:415-417 (July 24, 1987).		
73	Weiner, L.M. "Monoclonal Antibody Therapy of Cancer" <i>Semin. Oncol.</i> 26(5)(14):43-51 (October, 1999).		
74	Zinn, K., et al. "Identification of Two Distinct Regulatory Regions Adjacent to the Human B-Interferon Gene" <i>Cell</i> 34:865-879 (October 1983).		
AC	75 Zweerink, H.J., et al. "Presentation of Endogenous Peptides to MHC Class I-Restricted Cytotoxic T Lymphocytes in Transport Deletion Mutant T2 Cells" <i>J. Immunol.</i> 150(5):1763-1771 (March 1, 1993).		

EXAMINER:

Anur K. Chakrabarti

DATE CONSIDERED:

9/8/03

EXAMINER: Initial if citation considered, whether or not the citation conforms with MPEP 809. Draw a line through the citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.

Form PTO-1449

Docket No. GZ 2096.00

Appl. No. 09/955,656

INFORMATION DISCLOSURE
STATEMENT

Applicant(s)

Charles A. NICOLETTE, et al.

Filing Date: September 18, 2001

Group Art Unit: Not Yet Assigned

(use several sheets if necessary)

U.S. PATENT DOCUMENTS

Examiner Initials	Ref. No.	Date	Document No.	Name	Class	Subclass	Filing Date (if appropriate)
							RECEIVED
							FEB 24 2003

FOREIGN PATENT DOCUMENTS

TECH CENTER 1600/2900

Examiner Initials	Ref. No.	Date	Document No.	Name	Class	Subclass	Translation. YES NO
AC	1.	02/14/02	WO 02/12899	Biovation Ltd., et al			

OTHER DOCUMENTS

(including author, title, date, pertinent pages, etc.)

Examiner Initials	Ref. No.	Title
	2.	Jurinke Christian, et al.: "Application of nested PCR and mass spectrometry for DNA-based virus detection: HBV-DNA detected in the majority of isolated anti-HBc positive sera." GENETIC ANALYSIS BIOMOLECULAR ENGINEERING, vol. 14, no. 3, January 1998 (1998-01), pages 97-102.
	3.	Galea P., et al.: "Rationale for a vaccine using cellular-derived epitope presented by HIV isolates" VACCINE, BUTTERWORTH SCIENTIFIC, GUILDFORD, GB, vol. 17, no. 13-14, January 1999 (1999-01), pages 1700-1705.
	4.	Sickmann A., et al.: "Identification of major histocompatibility complex class II-associated peptides derived from freshly prepared rat Langerhans cells using MALDI-PSD and Edman degradation." THE ANALYST, ENGLAND APR 2000, vol. 125, no. 4, April 2000 (2000-04), pages 569-573.
	5.	Peter Jochen, et al.: "Analysis of free prostate-specific antigen (PSA) after chemical release from the complex with alpha1-antichymotrypsin (PSA-ACT)." CLINICAL CHEMISTRY, vol. 46, no. 4, April 2000 (2000-04), pages 474-482.
	6.	Jungblut Peter, R., et al.: "Proteomics in human disease: Cancer, heart and infectious diseases." ELECTROPHORESIS, vol. 20, no. 10, July 1999 (1999-07), pages 2100-2110.
AC	7.	Chaurand P., et al.: "Peptide and protein Identification by matrix-assisted laser desorption ionization (MALDI) and MALDI-post-source decay time-of-flight mass spectrometry" JOURNAL OF THE AMERICAN SOCIETY FOR MASS SPECTROMETRY, ELSEVIER SCIENCE INC., NEW YORK, NY, US, vol. 10, no. 2, February 1999 (1999-02), pages 91-103.

EXAMINER:

DATE CONSIDERED:

EXAMINER: Initial citation consid. red, whether or not the citation conforms with MPEP 609. Draw a line through the citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.